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010341432 \*\*Image available\*\*

WPI ACC No: 1995-243517/ 199532

XRAM ACC No: C95-111690

Producing spinel type double oxide - used for catalyst  
support heating metal alkoxide with zinc acetate in glycol

Patent Assignee: KAWAKEN FINE CHEM CO LTD (KAWF); NAGASE SANGYO KK (NAGS)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7149519	A	19950613	JP 91356364	A	19911224	199532 B

Priority Applications (No Type Date): JP 91356364 A 19911224

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7149519	A		3	C01G-015/00	

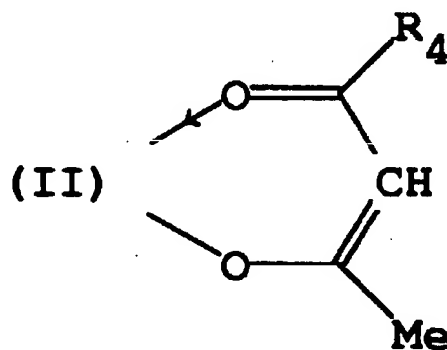
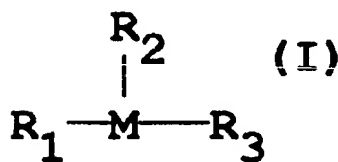
Abstract (Basic): JP 7149519 A

Spinel type double oxide is produced by heating a specific cpd. of formula(I) with zinc acetate in glycol at 210-350 deg. C. M = Al or Ga; R1, R2 and R3 = OH, 1-20C alkoxy gp., carboxyl gp., gp. given by formula(II). R4 = 1-20 alkyl or alkoxy gp..

USE - For a catalyst support for a cyclohexane or lower paraffin dehydrogenation.

ADVANTAGE - Spinel type double oxide such as ZnAl2O4 or ZnGa2O4 with a larger surface area can be obtd..

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Title Terms: PRODUCE; SPINEL; TYPE; DOUBLE; OXIDE; CATALYST; SUPPORT; HEAT; METAL; ALKOXIDE; ZINC; ACETATE; GLYCOL

Derwent Class: E19; H04; J04

International Patent Class (Main): C01G-015/00

International Patent Class (Additional): C01G-009/00

File Segment: CPI

Manual Codes (CPI/A-N): E10-J02A1; E10-J02C3; E11-E; H04-E03; H04-F02E; J04-E03; N01-C; N03-F; N03-G; N06-F

Chemical Fragment Codes (M3):

\*01\* A313 A331 A430 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807

\*02\* M411 M720 M730 M903 M904 N514 Q421 Q423 9532-B5801-C 9532-B5801-P  
G000 G561 G562 H721 M210 M211 M212 M213 M214 M215 M216 M220 M221  
M222 M223 M224 M231 M232 M233 M280 M320 M415 M416 M510 M520 M530  
M541 M610 M720 M903 M904 N224 N312 N441 Q417 Q419 R00914-P R11289-P  
R90123-P

Derwent Registry Numbers: 0247-S; 0913-S; 1371-S

Specific Compound Numbers: R00914-P; R11289-P; R90123-P

Generic Compound Numbers: 9532-B5801-C; 9532-B5801-P

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